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**Section 1: Identification: Product identifier and chemical identity****Product identifier****Product Name** VisiJet®S200/ VisiJet®S400/ VisiJet®M2 SUW**Product Code(s)** 24180**Other means of identification****Pure substance/mixture** Mixture**Recommended use of the chemical and restrictions on use****Recommended use** VisiJet® S200 for use with ProJet® 3000 Systems.  
VisiJet® S400 for use with ProJet® 3500, 3510 and 3600W Systems.  
VisiJet® M2 SUW for use with ProJet 2500W Systems.**Uses advised against** Any non-intended use.**Details of manufacturer or importer****Manufacturer**3D Systems Asia-Pacific Pty Ltd  
PO BOX 108, Forest Hill, VIC 3131, AustraliaFor further information, please contact**Company Phone Number** +61 3 9819 4422**E-mail address** moreinfo@3dsystems.com**Emergency telephone number****Emergency telephone number** +(61) 29037.2994 – Aus Chemtrec**Section 2: Hazard(s) identification****GHS Classification**

Not classified

**Label elements****Signal word**

None

**Hazard statements**Not classified  
None**Precautionary Statements - Prevention**

None

**Precautionary Statements - Response**

None

**Precautionary Statements - Storage**

None

**Precautionary Statements - Disposal**

None

**Other hazards which do not result in classification**

Store out of direct sunlight, UV light sources or heat.

Use with local exhaust ventilation.

Heat resistant gloves are recommended when handling molten materials.

May be harmful if swallowed.

May be harmful in contact with skin.

**Section 3: Composition/information on ingredients**

The product contains no substances which at their given concentration, are considered to be hazardous to health

Chemical name	CAS No	Weight-%
Hydroxylated Wax	-	60 - 100

**Section 4: First aid measures****Description of first aid measures****General advice**

Ensure that eyewash stations and safety showers are close to the workstation location. Get medical attention if symptoms occur. Show this safety data sheet to the doctor in attendance.

**Inhalation**

Avoid breathing (dust, vapor, mist, gas). Move to fresh air in case of accidental inhalation of vapors. Ensure adequate ventilation.

**Eye contact**

Get medical attention. On contact with hot product: Cool eyes rapidly with cold water after contact with molten polymer. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

**Skin contact**

After contact with molten product, cool skin area rapidly with cold water. It may be gently peeled apart using a blunt object such as a spoon, preferably after soaking in warm soapy water. Do not attempt to peel material from skin.

**Ingestion**

Rinse mouth.

**Most important symptoms and effects, both acute and delayed****Symptoms**

No information available.

**Indication of any immediate medical attention and special treatment needed****Note to physicians**

Treat symptomatically.

**Section 5: Firefighting measures****Suitable Extinguishing Media**

**Suitable extinguishing media** Dry chemical, CO2 or water spray.

**Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical**

**Specific hazards arising from the chemical** Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). May cause sensitization by skin contact.

**Hazardous combustion products** Hydrocarbons. Carbon dioxide (CO2). Carbon monoxide. Nitrogen oxides (NOx).

**Special protective actions for fire-fighters**

**Special protective equipment and precautions for fire-fighters** Wear self contained breathing apparatus for fire fighting if necessary. Remove all sources of ignition. Cool drums with water spray.

## **Section 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for containment** Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable. Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Where possible allow molten material to solidify naturally. Use appropriate personal protective equipment (PPE). Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust.

**Precautions to prevent secondary hazards**

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## **Section 7: Handling and storage, including how the chemical may be safely used**

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** Strong oxidizing agents, strong acids, and strong bases.

## Section 8: Exposure controls/personal protection

### Control parameters

**Exposure Limits** Not established.

**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

### Appropriate engineering controls

**Engineering controls** Recommend users establish appropriate engineering control measures, including but not limited to local exhaust ventilation, in rooms/areas where printers are installed and in post-processing areas, to minimize inhalation exposure.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles). May cause eye irritation. Bonds skin and eyes in seconds.

**Skin and body protection** Avoid contact with eyes, skin and clothing. Suitable protective clothing.

**Hand protection** Impervious gloves. Heat resistant gloves are recommended when handling molten materials.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment. Wear skin and eye/face protection PPE during part processing. Use of a dust mask is recommended during cleaning surfaces with dust or when dust generation is a possibility during sanding or grinding operations.

**Environmental exposure controls** Avoid release to the environment. Do not allow to enter into soil/subsoil.

**Thermal hazards** None under normal processing.

## Section 9: Physical and chemical properties

### Information on basic physical and chemical properties

**Physical state** Solid  
**Appearance** No information available  
**Color** White  
**Odor** Slight.  
**Odor threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	-
Melting point / freezing point	55 - 65 °C	-
Boiling point / boiling range	307 °C	-
Flash point	185 °C	-
Evaporation rate	No data available	-
Flammability (solid, gas)	No data available	-
Flammability Limit in Air		-
Upper flammability or explosive limits	-	
Lower flammability or explosive limits	-	
Vapor pressure	No data available	-

Relative vapor density	No data available	-
Relative density	0.85 - 0.91	-
Water solubility	Insoluble in water	-
Solubility(ies)	No data available	-
Partition coefficient	No data available	-
Autoignition temperature	No data available	-
Decomposition temperature	No information available	-
Kinematic viscosity	No data available	-
Dynamic viscosity	13 (@80 °C) mPa s	-
Explosive properties	No information available	
Oxidizing properties	No information available	

#### Other information

Softening point	No information available
Molecular weight	No information available
VOC content	35.3 g/L
Liquid Density	0.85 - 0.9 g/cm3 (@25 °C)
Bulk density	No information available
Particle characteristics	-

## Section 10: Stability and reactivity

### Reactivity

Reactivity	Stable under normal conditions.
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### Chemical stability

Stability	Stable under normal conditions.
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### Explosion data

Sensitivity to mechanical impact	No information available.
Sensitivity to static discharge	No information available.

### Possibility of hazardous reactions

Possibility of hazardous reactions	None under normal processing.
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Hazardous polymerization	None under normal processing.
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### Conditions to avoid

Conditions to avoid	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
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### Incompatible materials

Incompatible materials	Strong oxidizing agents, strong acids, and strong bases.
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### Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition can lead to release of irritating and toxic gases and vapors. Nitrogen oxides (NOx). Carbon dioxide (CO2). Carbon monoxide. Hydrocarbons.
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## Section 11: Toxicological information

### Acute toxicity

**Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	May be harmful in contact with skin.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Symptoms</b>	No information available.

**Numerical measures of toxicity - Product Information**

*See section 16 for terms and abbreviations*

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

**Section 12: Ecological information****Ecotoxicity****Aquatic ecotoxicity**

**Terrestrial ecotoxicity** There is no data for this product.

#### Persistence and degradability

**Persistence and degradability** No information available.

#### Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

#### Mobility

**Mobility** No information available.

#### Other adverse effects

**Other adverse effects** No information available.

### Section 13: Disposal considerations

#### Waste treatment methods

**Waste from residues/unused products** Reduce waste by attempting to utilize product completely. Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

**Contaminated packaging** Do not reuse empty containers.

See section 8 for more information

### Section 14: Transport information

<b>ADG</b>	Not regulated
<b>UN number or ID number</b>	3082
<b>UN proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s. Acrylic Resin (Other)
<b>Transport hazard class(es)</b>	9
<b>Packing group</b>	III
<b>Environmental hazard</b>	Yes

**IATA** Not regulated

**IMDG** Not regulated

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
No information available

### Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

**National regulations****Australia**

See section 8 for national exposure control parameters

**Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)**

No poisons schedule number allocated

**Illicit Drug Precursors/Reagents**

This product does not contain any substance(s) on the Illicit Drug Precursors/Reagents list.

**International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

**International Inventories**

<b>TSCA</b>	All ingredients are listed (Active) or exempt.
<b>DSL/NDSL</b>	All ingredients are listed or exempt.
<b>EINECS/ELINCS</b>	All ingredients are listed or exempt.
<b>ENCS</b>	All ingredients are listed or exempt.
<b>IECSC</b>	All ingredients are listed or exempt.
<b>KECL</b>	All ingredients are listed or exempt.
<b>PICCS</b>	All ingredients are listed or exempt.
<b>AICS</b>	All ingredients are listed or exempt.
<b>TCSI</b>	All ingredients are listed or exempt.
<b>NZIoC</b>	All ingredients are listed or exempt.

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**TCSIL** - Taiwan Inventory of Chemical Substances  
**NZIoC** - New Zealand Inventory of Chemical Substances

**Section 16: Any other relevant information**

**Issuing Date** 13-Aug-2008

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**Revision Note**



\*\*\*Indicates updated data since last publication.

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		

### Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGl(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
National Institute of Technology and Evaluation (NITE)  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
Australian Industrial Chemicals Introduction Scheme (AICIS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

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**End of Safety Data Sheet**